

## Letters to the Editor

Early Work on Explanation of Limens  
of Loudness

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FOLLOWING the publication in *The Journal of the Acoustical Society of America* of my paper "Proposal for an Explanation of Limens of Loudness,"<sup>1</sup> James Jerger of Northwestern University was kind enough to show me some of his unpublished work. Five or six years ago he arrived at results identical with my Eq. (5) and other related expressions, essentially as I did. He assumed, however, that loudness is proportional to the number of nerve fibers fired rather than to the number of nerve pulses. He included the effect on the size of the limen of standard and comparison tones having different lengths and referred to interesting experimental data of Garner and Miller<sup>2</sup> concerning this.

<sup>1</sup> J. R. Pierce, *J. Acoust. Soc. Am.* **30**, 418-420 (1958).

<sup>2</sup> W. R. Garner and G. A. Miller, *J. Exptl. Psychol.* **34**, 450-463 (1944).

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